

APPENDIX 10

ANALYSIS OF VARIANCE - BACKGROUND VARIABLE

TABLE : 71. Analysis of Variance for Effect of Marital Status on Anthropometric Measurements

Variables 1	Degrees of Freedom 2	Sum of squares 3	Error mean square 4	F-value 5
Stature :				
Between	2	338.3100	169.16	4.47*
Within	523	19778.4182	37.82	
Total	525	20116.7283		
Arm span :				
Between	2	76.1675	38.08	0.74
Within	523	27004.6097	51.63	
Total	525	27080.7772		
Right arm length :				
Between	2	24.5179	12.26	0.82
Within	523	7797.8043	14.91	
Total	525	7822.3222		
Elbow height				
Between	2	178.4156	89.21	5.10*
Within	523	9143.5911	17.48	
Total	525	9322.0067		
Upperarm length :				
Between	2	0.2475	0.12	0.03
Within	523	2353.3116	4.50	
Total	525	2353.5590		
Forearm length :				
Between	2	14.6831	7.34	0.91
Within	523	4215.3667		
Total	525	4230.0498		
Hand length :				
Between	2	4.8724	2.44	1.64
Within	523	777.3592	1.49	
Total	525	782.2316		
Leg height :				
Between	2	243.2216	121.61	3.49
Within	523	18199.3606	34.80	
Total	525	18442.5822		
Lower leg height :				
Between	2	41.6400	20.82	2.56
Within	523	4250.5561	8.13	
Total	525	4250.1961		
Eye height				
Between	2	202.0689	101.03	3.07
Within	523	17227.3745	32.94	
Total	525	17429.4434		

TABLE : 71. Cont....

Variables	Degrees of Freedom	Sum of squares	Error mean square	F-value
1	2	3	4	5
Functional reach-1 :				
Between	2	12.5783	6.29	0.47
Within	523	7020.3241	13.42	
Total	525	7032.9024		
Functional reach-2 :				
Between	2	11.2251	5.61	0.42
Within	523	7012.2676	13.41	
Total	525	7023.4928		
Bust girth :				
Between	2	8755.1287	4377.56	67.61**
Within	523	33861.7047	64.75	
Total	525	42616.8335		
Upper arm girth :				
Between	2	1039.2827	519.64	69.21**
Within	523	3926.5580	7.51	
Total	525	4965.8408		
Forearm girth :				
Between	2	442.4402	221.22	61.74**
Within	523	1873.8056	3.58	
Total	525	2316.2457		
Waist girth :				
Between	2	10304.2164	5152.11	62.24**
Within	523	43293.2689	82.78	
Total	525	53597.4853		
Abdomen girth :				
Between	2	16171.9133	8085.96	77.76**
Within	523	54382.2545	103.98	
Total	525	70554.1678		
Hip girth :				
Between	2	11617.9286	5808.96	67.32**
Within	523	45129.3962	86.29	
Total	525	56747.3248		